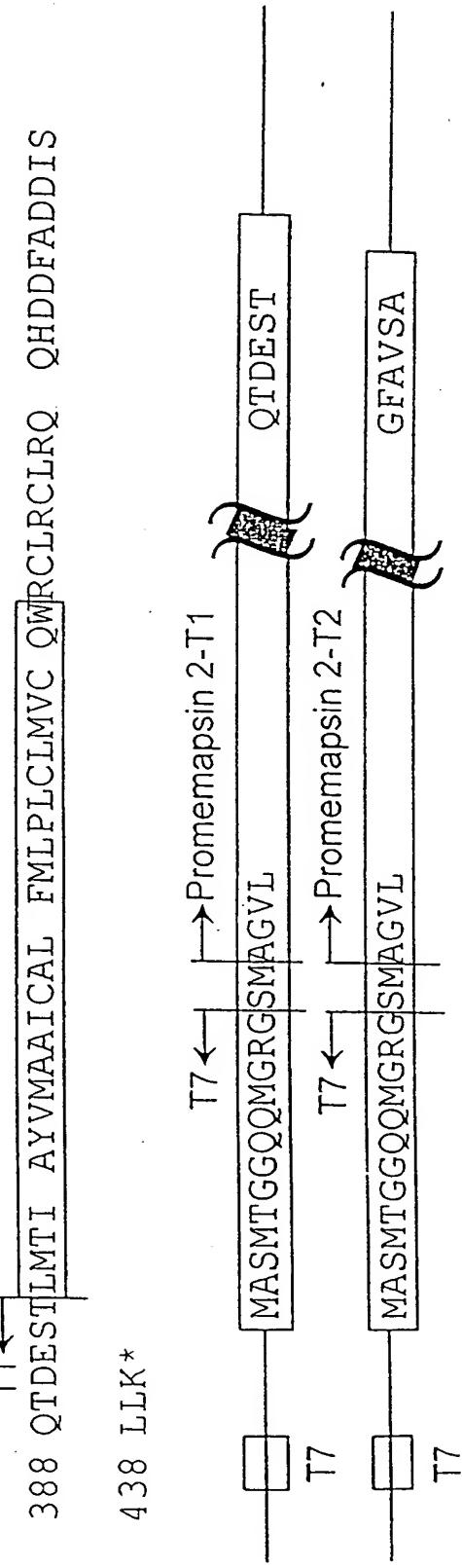


FIG. 1

1v MASMTGGQQM GRGSMAGVLP AHGTQHGI RLRSGLGGAP IGLRLPRTD
 36p EEEPEPGRG SFVEMVDNLR GKSGQQYVE MTVGSPPQTL NILVDTGSSN
 38 FAVGAAPHF LHRYYQRQLS STYRDLRKGV YVPYTQGKWE GELGTDLVSI
 88 PHGPNVTVRA NIAAITESDK FFINGSNWEG ILGLAYAEIA RPDDSLEPFF
 138 DSLVKQTHVP NLFSLQLCGA GPLNQSEVL ASVGGSMIIG GIDHSILYTGS
 188 LWYTPIRREW YYEVIIIRVE INGQDLKMDC KEYNNYDKSIV DSGTTNLRP
 238 KKVFEEAVKS IKAASSSTEKF PDGFWLGEQL VCWQAGTTFW NIEPVVISLYL
 288 MGEVTNQSFTR ITILPQQYLR PVEDVATSQD DCYKFAISQS STGTVMGAVI
 338 MEGFYVVFDR ARKRIGFAVS ACHVHDEFRT AAVEGPFTL DMEDCGYNIP
 388 QTDESTLMTI AYVMAAICAL FMLPLCLMVC QWRCLRCLRQ QHDDFADDIS
 438 LLK*



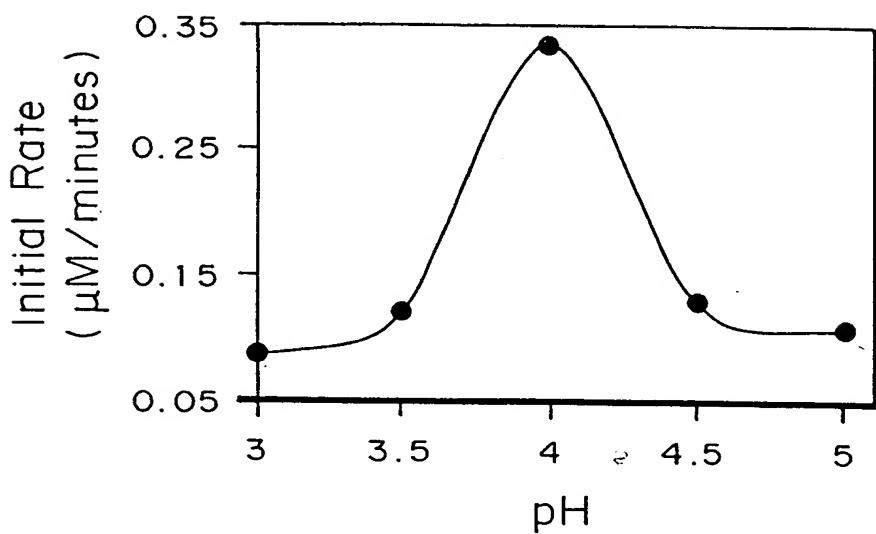


FIG. 2A

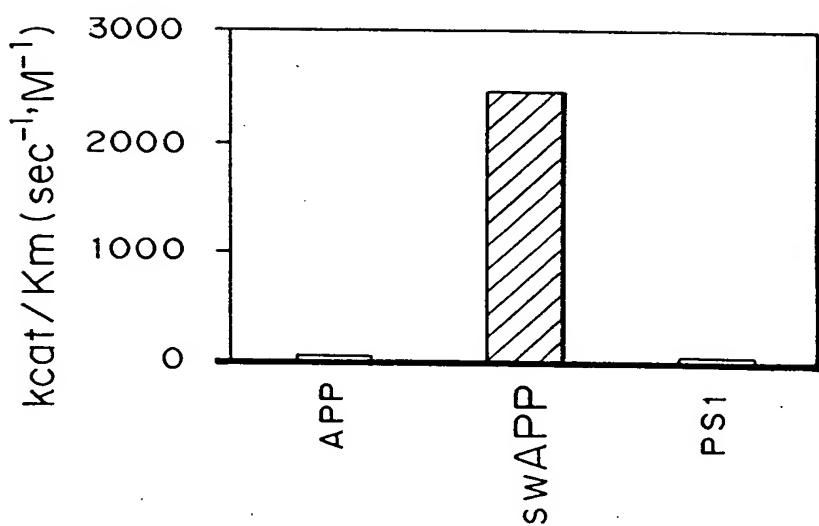
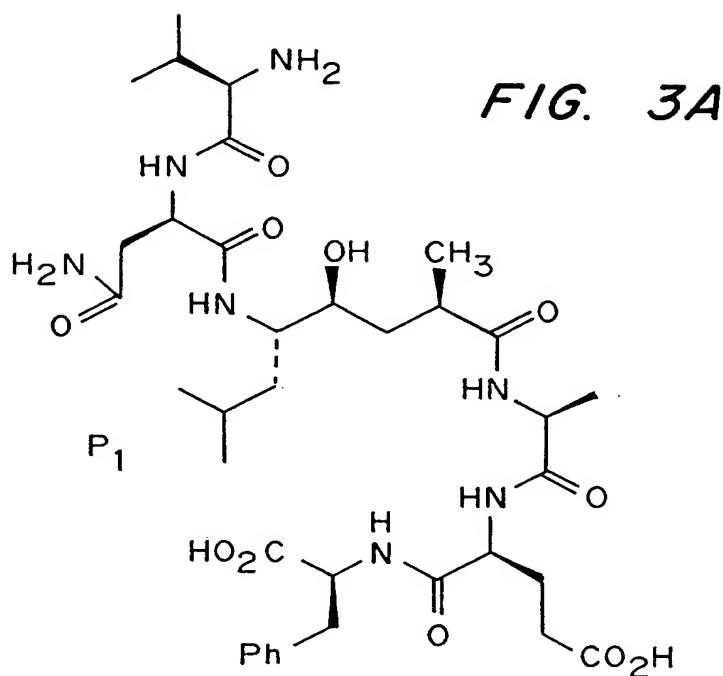
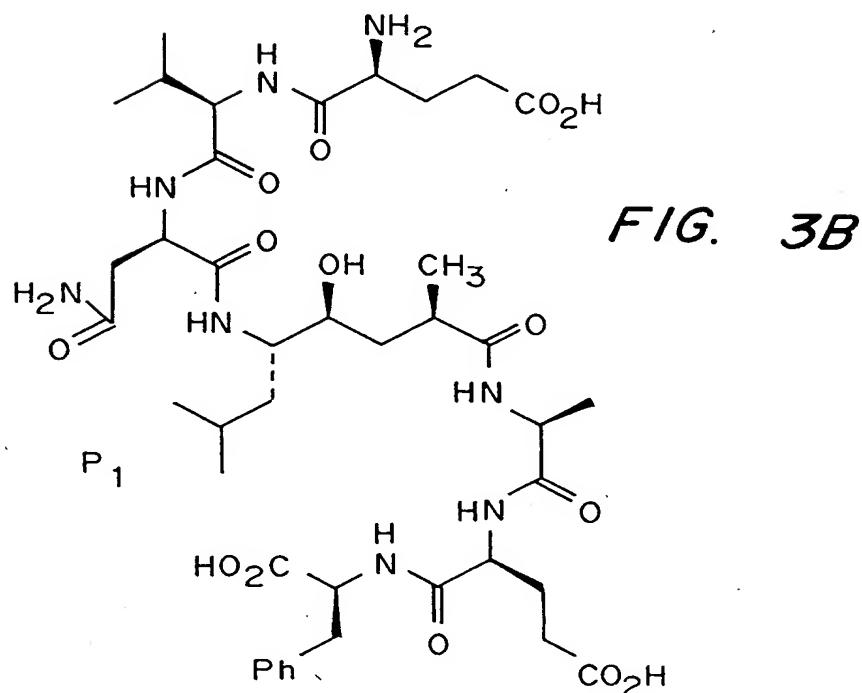


FIG. 2B

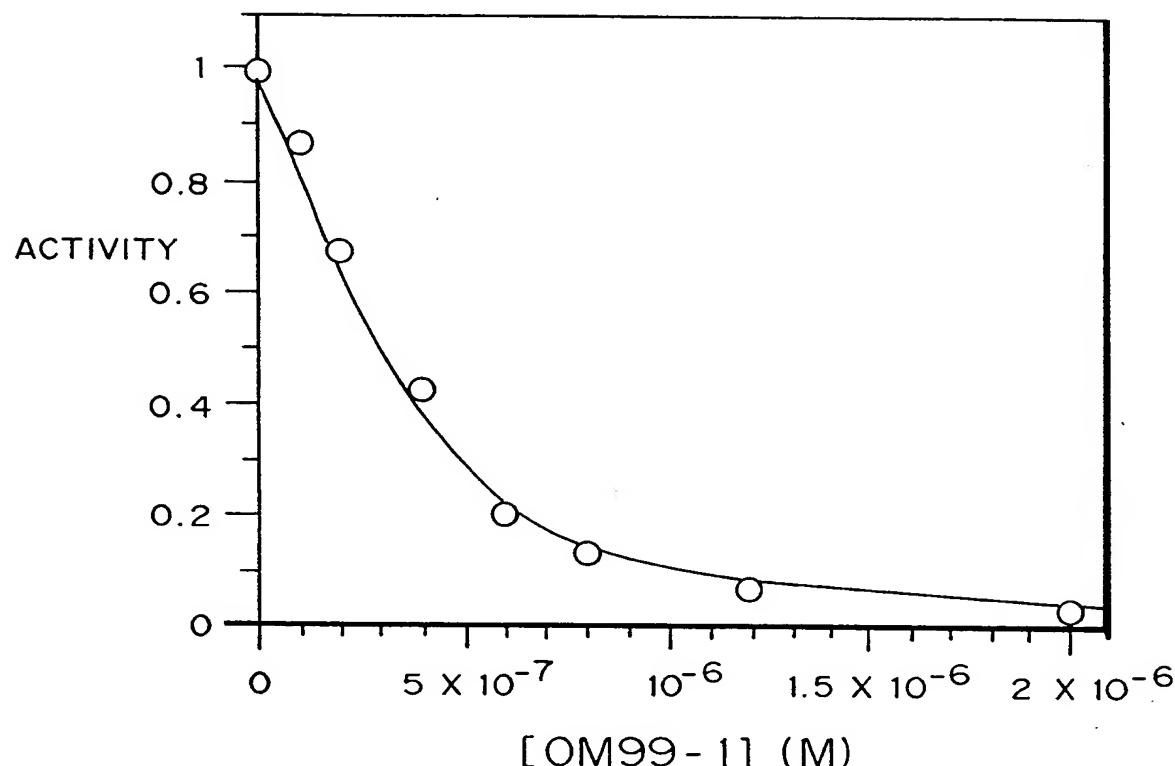


OM99 - 1



OM99 - 2

FIG. 4A



[Mep2] = 0.47 μ M

[Fluo. Substrate] = 29.9 μ M

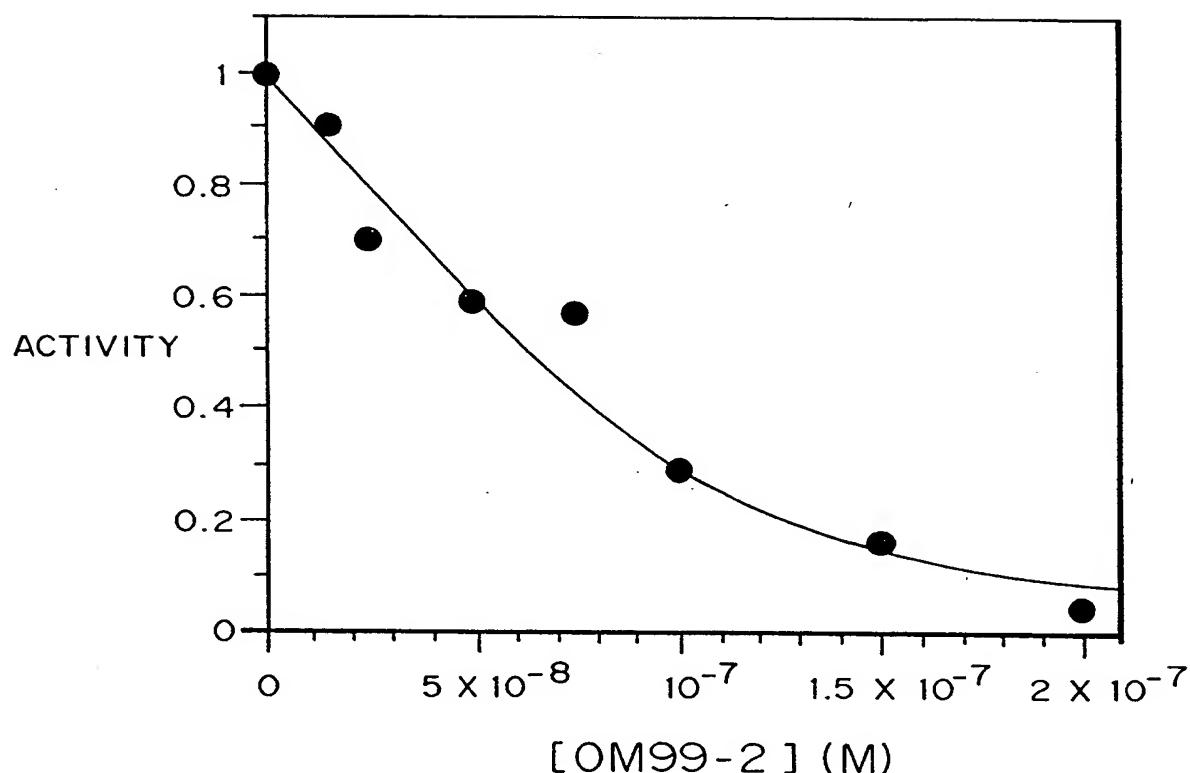
Buffer: Na Acetate 0.1 M, 5% DMSO, pH 4.5 at 37°C

Excitation at 350 nm

Emission at 490 nm

Parameter	Value	Std. Error
K _i	6.84 e - 8	2.72 e - 9

FIG. 4B



$[E]_0 = 0.11 \mu M$
 $[Fluo\ Substrate] = 29.9 \mu M$

Parameter	Value	Std. Error
K_i	$9.58e-9$	$2.86e-10$

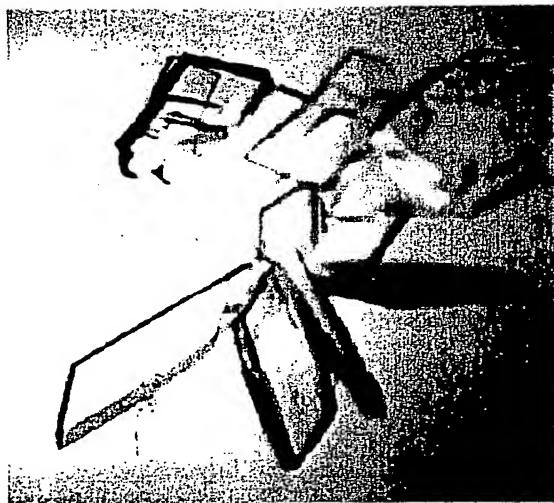


FIG. 5C

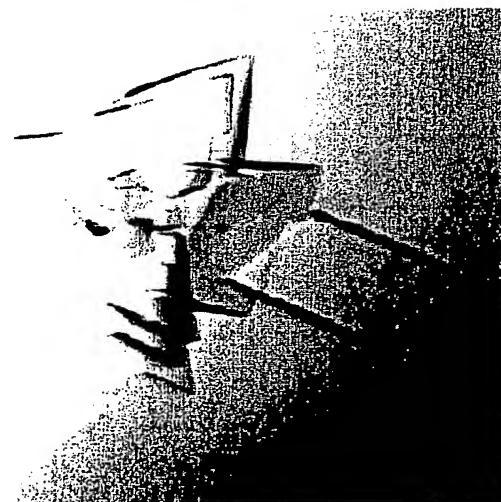


FIG. 5B



FIG. 5A



FIG. 5D FIG. 5E

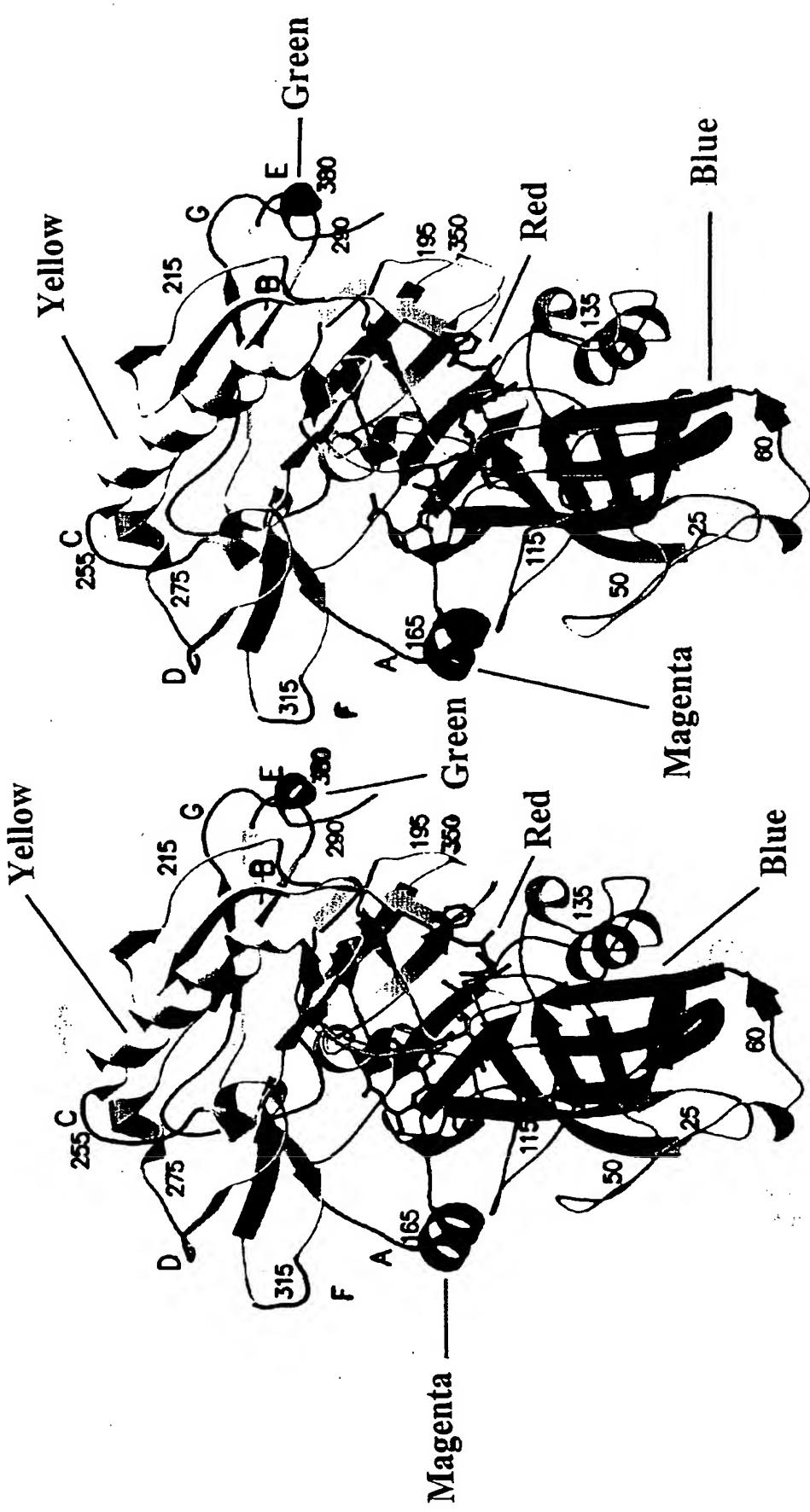
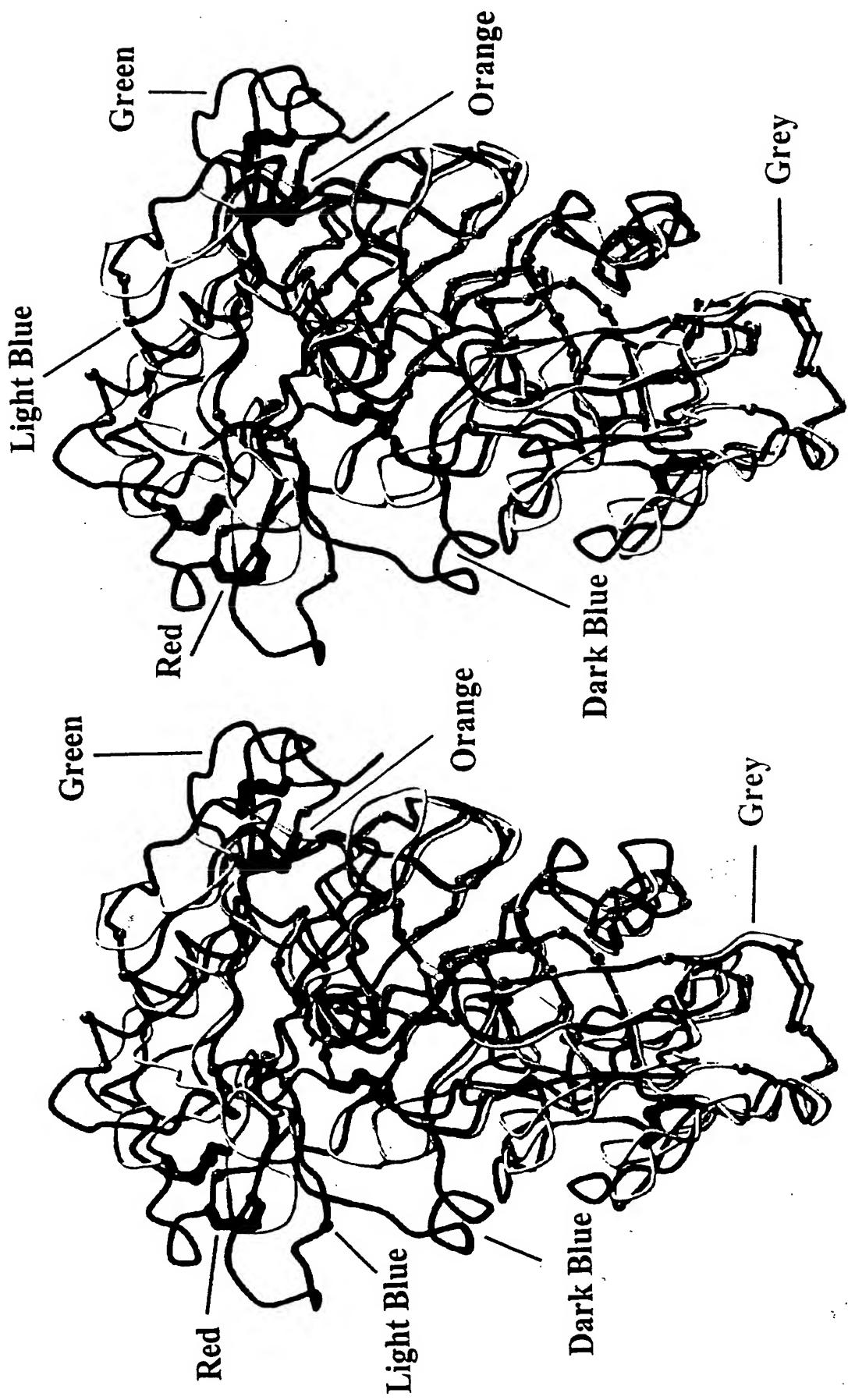
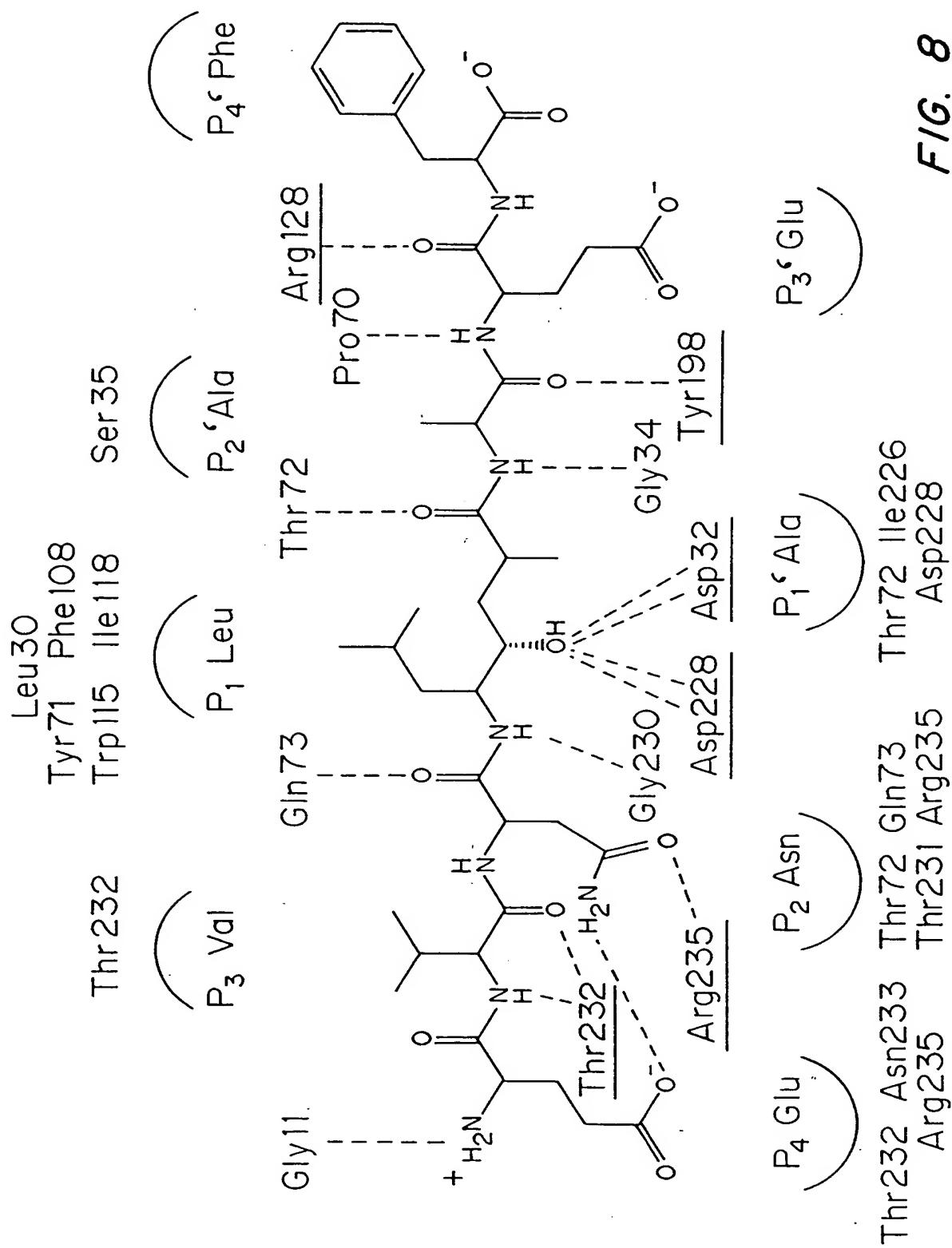


FIG. 6





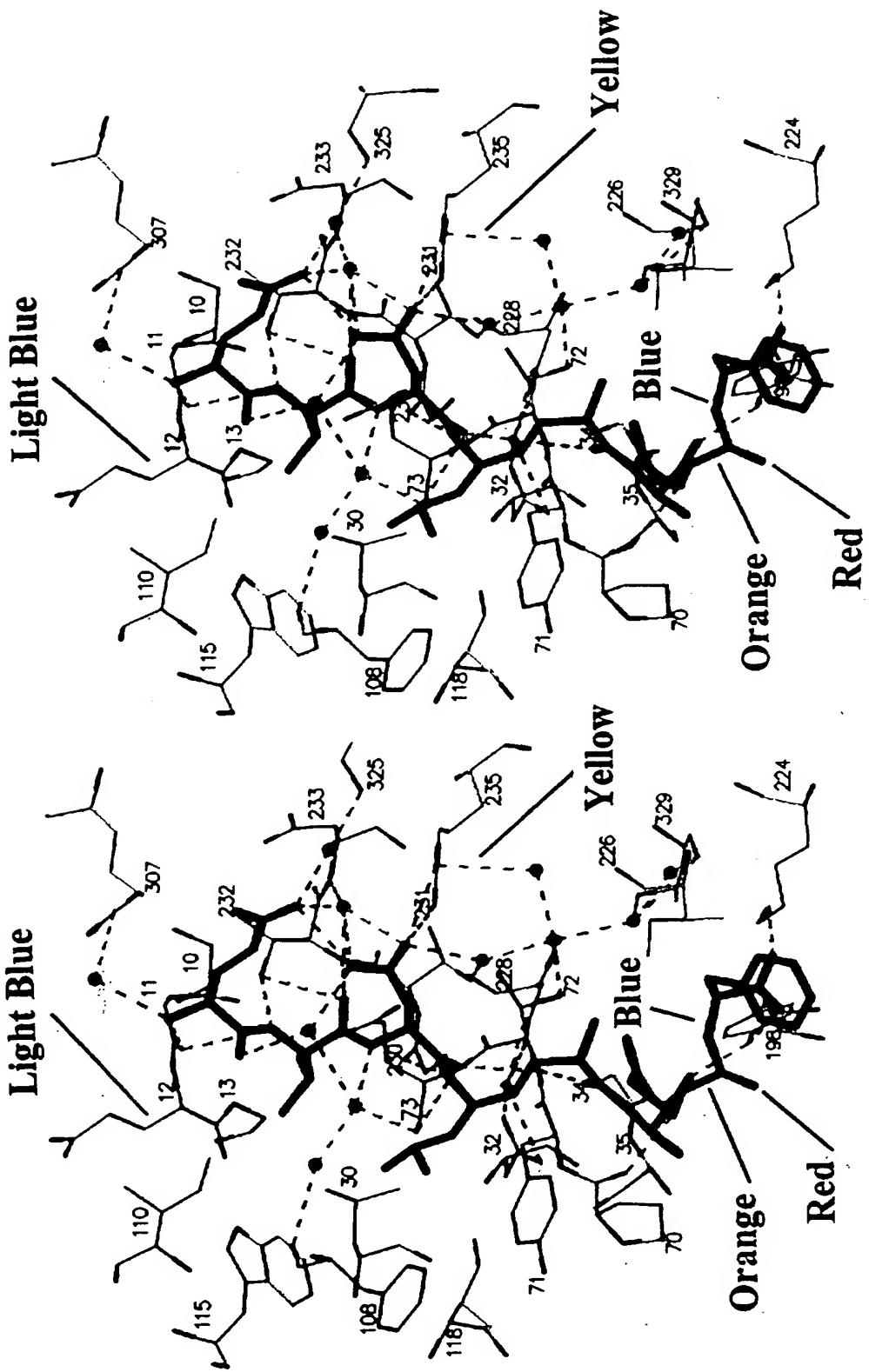


FIG. 9

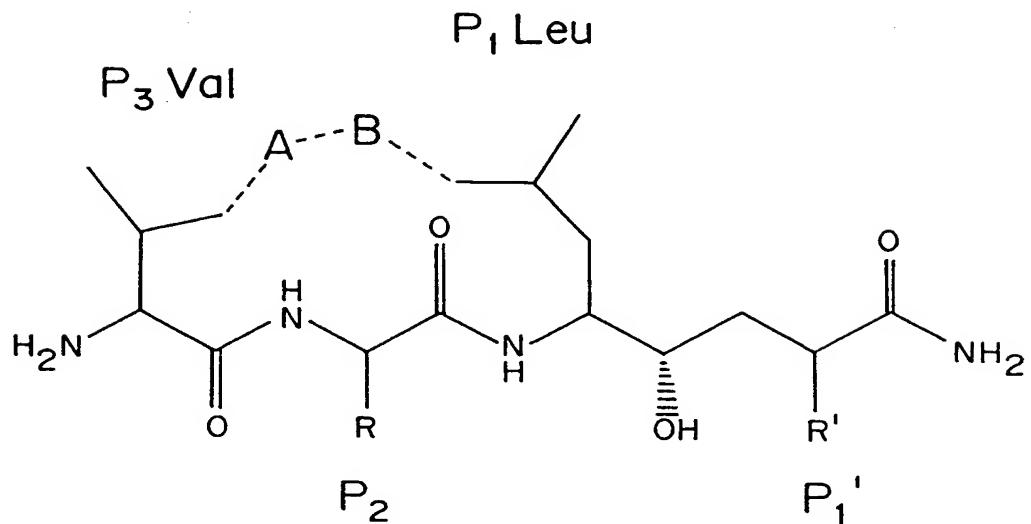


FIG. 10

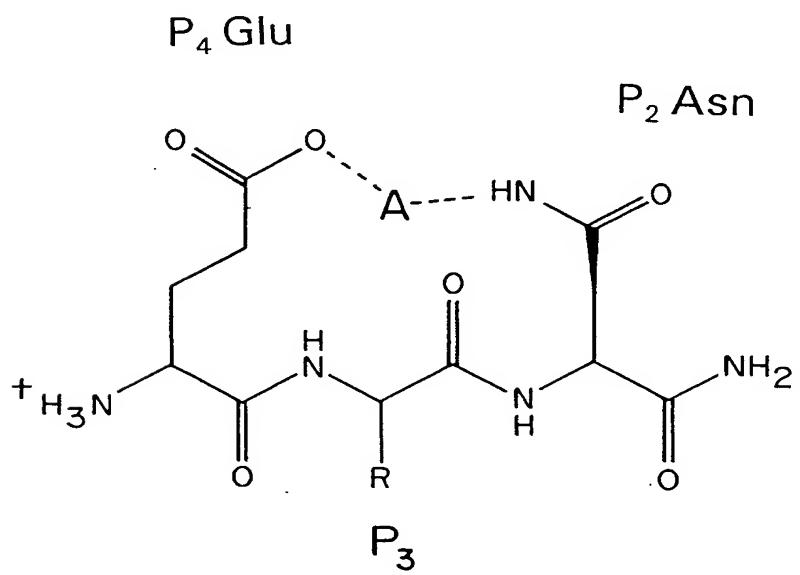


FIG. 11

